

WEST Search History

DATE: Friday, April 12, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=AND</i>			
L17	L16 and arthur.in.	14	L17
L16	sands.in.	417	L16
L15	zambrowicz.in.	6	L15
L14	abuin.in.	1	L14
L13	L12 and glenn.in.	6	L13
L12	friedrich.in.	6503	L12
L11	wattler.in.	1	L11
L10	L9 and john.in.	22	L10
L9	scoville.in.	48	L9
L8	15 and 17	0	L8
L7	gregory.in.	14821	L7
L6	L5 and gregory.in.	0	L6
L5	donoho.in.	97	L5
L4	hilbun.in.	1	L4
L3	L2 and 11	11	L3
L2	alexander.in.	11250	L2
L1	turner.in.	2993	L1

END OF SEARCH HISTORY

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: April 11, 2002, 13:42:33 ; Search time 127.46 Seconds
(without alignments)
6972.381 Million cell updates/sec

Title: US-09-770-643A-1
Perfect score: 3924
Sequence: 1 atggattctttaccacggct.....aacgggaatttcatctga 3924

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
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5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result NO.	Score	Query Match	Length	ID	Description
1	45.2	1.2	7218	1 US-08-232-463-14	Sequence 14, Appl
2	41.4	1.1	3728	1 US-08-111-939-1	Sequence 1, Appli
3	40.6	1.0	6909	2 US-08-804-196-1	Sequence 1, Appli
4	40.6	1.0	6909	2 US-08-658-340-1	Sequence 1, Appli
5	40.6	1.0	6909	3 US-08-746-111-26	Sequence 26, Appl
6	38.4	1.0	7218	1 US-08-232-463-14	Sequence 14, Appl
7	38.2	1.0	7032	4 US-09-324-867-1	Sequence 1, Appli
8	37.8	1.0	1647	4 US-08-123-934A-7	Sequence 7, Appli
9	37.8	1.0	1647	5 PCT-US94-10080-7	Sequence 7, Appli
10	37.8	1.0	2160	4 US-09-382-256-15	Sequence 15, Appl
11	37.8	1.0	2160	4 US-09-395-115-15	Sequence 15, Appl
12	37.8	1.0	4826	4 US-09-192-983-3	Sequence 3, Appli
13	37.4	1.0	3955	4 US-09-214-278-4	Sequence 4, Appli
14	37.4	1.0	4315	3 US-08-882-046-3	Sequence 3, Appli
15	37.4	1.0	4464	2 US-08-400-159-7	Sequence 7, Appli
16	37.4	1.0	4483	3 US-08-611-729A-7	Sequence 7, Appli
17	37.2	0.9	2333	4 US-09-382-256-7	Sequence 7, Appli
18	37.2	0.9	2333	4 US-09-395-115-7	Sequence 7, Appli
19	36.8	0.9	2097	3 US-08-941-445A-10	Sequence 10, Appl
20	36.8	0.9	8460	1 US-08-469-005A-9	Sequence 9, Appli
21	36.8	0.9	8519	4 US-09-261-907-1	Sequence 1, Appli
22	36.2	0.9	3796	2 US-08-762-308-11	Sequence 11, Appl
23	36.2	0.9	3813	2 US-08-650-000-3	Sequence 3, Appli
24	36.2	0.9	3813	6 5395760-3	Patent No. 5395760
25	36	0.9	4919	4 US-08-456-200B-2	Sequence 2, Appli
26	36	0.9	6585	3 US-08-746-111-4	Sequence 4, Appli
27	35.8	0.9	7032	2 US-08-149-097D-24	Sequence 24, Appl

28	35.8	0.9	7032	3 US-08-949-386-24	Sequence 24, Appl
29	35.8	0.9	7032	3 US-08-450-562-24	Sequence 24, Appl
30	35.8	0.9	7089	3 US-08-949-386-25	Sequence 25, Appl
31	35.8	0.9	7089	3 US-08-450-562-25	Sequence 25, Appl
32	35.6	0.9	386	6 5200327-1	Patent No. 5200327
33	35.6	0.9	392	1 US-08-318-193-1	Sequence 1, Appli
34	35.6	0.9	896	6 5200327-2	Patent No. 5200327
35	35.6	0.9	900	1 US-08-318-193-7	Sequence 7, Appli
36	35.6	0.9	905	6 5200327-3	Sequence 9, Appli
37	35.6	0.9	909	1 US-08-318-193-9	Sequence 9, Appli
38	35.2	0.9	924	1 US-08-442-063A-49	Sequence 49, Appl
39	35.2	0.9	1002	1 US-08-442-063A-28	Sequence 28, Appl
40	35	0.9	948	4 US-09-475-316A-16	Sequence 16, Appl
41	35	0.9	2277	1 US-08-676-967-5	Sequence 5, Appli
42	35	0.9	2277	1 US-08-676-974-5	Sequence 5, Appli
43	35	0.9	2277	2 US-09-098-487-5	Sequence 5, Appli
44	35	0.9	4451	3 US-08-717-294-42	Sequence 42, Appl
45	34.8	0.9	978	4 US-09-385-028-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMUNO
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
; US-08-232-463-14

RESULT 5
US-08-746-111-26
; Sequence 26, Application US/08746111
; Patent No. 6066778
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Cui, Jisong
; TITLE OF INVENTION: Compositions And Methods For Screening
; TITLE OF INVENTION: Compounds For Anticoagulant Activity
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: April 11, 2002, 13:43:08 ; Search time 226.83 Seconds
(without alignments)
129.665 Million cell updates/sec

Title: US-09-770-643A-2
Perfect score: 6962
Sequence: 1 MDSLRLTSLVTLFLFSLWH.....FRNEIDLQNTVSECKREYFI 1307

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA: *
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep: *
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep: *
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep: *
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep: *
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	360.5	5.2	1940	2 US-08-644-271-30	Sequence 30, Appl
2	321.5	4.6	1130	6 5444158-2	Patent No. 5444158
3	320.5	4.6	1130	2 US-08-460-309-2	Sequence 2, Appl1
4	320.5	4.6	1130	2 US-08-125-077-2	Sequence 2, Appl1
5	320.5	4.6	3111	2 US-08-460-309-4	Sequence 4, Appl1
6	320.5	4.6	3111	2 US-08-125-077-4	Sequence 4, Appl1
7	294	4.2	3075	2 US-08-460-309-5	Sequence 5, Appl1
8	294	4.2	3075	2 US-08-125-077-5	Sequence 5, Appl1
9	253	3.6	1713	3 US-08-600-982-24	Sequence 24, Appl
10	253	3.6	1713	5 PCT-US94-10261A-24	Sequence 24, Appl
11	248	3.6	1525	3 US-09-191-647-2	Sequence 2, Appl1
12	248	3.6	1525	4 US-09-540-245A-2	Sequence 2, Appl1
13	248	3.6	1525	4 US-09-540-153-2	Sequence 2, Appl1
14	235.5	3.4	492	2 US-08-644-271-32	Sequence 32, Appl
15	233.5	3.4	771	4 US-09-188-930-183	Sequence 183, App
16	220	3.2	734	4 US-08-706-216-2	Sequence 2, Appl1
17	212.5	3.1	1128	1 US-08-111-939-2	Sequence 2, Appl1
18	206	3.0	2183	3 US-08-746-111-5	Sequence 5, Appl1
19	198	2.8	463	2 US-08-162-402B-9	Sequence 9, Appl1
20	198	2.8	909	3 US-08-936-135-8	Sequence 8, Appl1
21	196.5	2.8	914	3 US-08-936-135-12	Sequence 12, Appl
22	195.5	2.8	901	3 US-08-936-135-22	Sequence 22, Appl
23	195.5	2.8	906	3 US-08-936-135-24	Sequence 24, Appl
24	195.5	2.8	909	3 US-08-936-135-10	Sequence 10, Appl
25	195.5	2.8	926	3 US-08-936-135-14	Sequence 14, Appl
26	195.5	2.8	931	3 US-08-936-135-16	Sequence 16, Appl
27	194.5	2.8	159	2 US-08-162-402B-12	Sequence 12, Appl

28	194.5	2.8	217	1 US-07-607-538C-3	Sequence 3, Appl1
29	194.5	2.8	217	2 US-08-162-402B-3	Sequence 3, Appl1
30	194.5	2.8	218	1 US-07-607-538C-2	Sequence 2, Appl1
31	194.5	2.8	218	2 US-08-162-402B-2	Sequence 2, Appl1
32	194.5	2.8	387	2 US-08-162-402B-6	Sequence 6, Appl1
33	194.5	2.8	465	2 US-08-162-402B-8	Sequence 8, Appl1
34	194	2.8	109	1 US-08-111-939-19	Sequence 19, Appl
35	194	2.8	157	2 US-08-162-402B-13	Sequence 13, Appl
36	194	2.8	320	2 US-08-480-229C-20	Sequence 20, Appl
37	194	2.8	320	2 US-08-659-235C-20	Sequence 20, Appl
38	192	2.8	109	1 US-08-111-939-25	Sequence 25, Appl
39	191.5	2.8	1480	3 US-09-191-647-7	Sequence 7, Appl1
40	191.5	2.8	1480	4 US-09-540-245A-7	Sequence 7, Appl1
41	191.5	2.8	1480	4 US-09-540-153-7	Sequence 7, Appl1
42	191.5	2.8	1480	5 PCT-US91-09055-2	Sequence 2, Appl1
43	191.5	2.8	2343	4 US-09-324-867-2	Sequence 2, Appl1
44	191	2.7	1443	2 US-08-670-707A-39	Sequence 39, Appl
45	191	2.7	1443	4 US-09-037-601-39	Sequence 39, Appl

ALIGNMENTS

RESULT 1
US-08-644-271-30
; Sequence 30, Application US/08644271
; Patent No. 5814478
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; TITLE OF INVENTION: AND LIGANDS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/644,271
; FILING DATE: 10-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/008,657
; FILING DATE: 15-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 195A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-345-7400
; TELEFAX: 914-345-7721
; TELEX:
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1940 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Rat Agrin
; LOCATION: 1...1940
; OTHER INFORMATION:
; US-08-644-271-30

Db 900 DVVGMLYVGLPINYTRRIGPVITYSIDGCVRNHLHMAEAPADLEQPT----- 946
Qy 961 CSSYGSICHNGKCKVEKHNGYLCDCNTSPYEGPCKKEVSAB--FEAGTSVTYMFQEPYP 1018
Db 947 -SSF---HVGTCFANAQRGTDFDGTG-----FAK---AVGGFKVGLDLLVEFEFRTT 991
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Db 992 TTTGVLLGI-----SSQKMDGMIEMIDEK---LMFHVNDGAGRETAVY-----DAGVP 1037
Qy 1079 YHLNKEETHVFTIDADNFANRRMHHLKINREGRELTIQMDQLRLS----- 1124
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Qy 1125 ----YNFSPVEFR-VIRSLTLGKVT 1145
Db 1092 DLKQFGLTTSIPFRGCIRSLKLTGKT 1117

RESULT 3
US-08-460-309-2
; Sequence 2, Application US/08460309
; Patent No. 5837496
; GENERAL INFORMATION:
; APPLICANT: Engvall, Eva
; APPLICANT: Leivo, Ilmo
; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin
; TITLE OF INVENTION: Fragments and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,309
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,077
; FILING DATE: 22-SEP-1993
; APPLICATION NUMBER: US PCT/US 94/10730
; FILING DATE: 21-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/472,319
; FILING DATE: 30-JAN-1990
; APPLICATION DATA:
; APPLICATION NUMBER: US 07/919,951
; FILING DATE: 27-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LA 9721
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1130 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-460-309-2

Query Match 4.6%; Score 320.5; DB 2; Length 1130;
Best Local Similarity 20.1%; Pred. No. 5.3e-20;
Matches 224; Conservative 150; Mismatches 378; Indels 365; Gaps 49;
Qy 205 ISLKPKSMQGDGVLFH-GEQQRGDHTLELQKGRALHLNLGDSKARLSSSLPSATLGS 263
Db 190 IVNVKTAADVADNLLFYLGSAKFIDFLAEMRKGVSLWDVGVGVRV--EYDPLT--- 243
Qy 264 LDDQHWXVLIERVGVQVNFVTD-----KHTQHFKTGETDALDIDYE--LSFGG 311
Db 244 IDDSYWRIVASRTGRNGTISVRALDGPKASIVPSTHSTSPPGYTILVDVANAMLFVG 303
Qy 312 IPVPGKPGTFLKK-----NFHGCIENLYYNGVNIIXLAKRRKHQIYTVGNVTFSCSEP 364
Db 304 L--TGK-----LKKADAVRVITFTGCMGETYFDNKPIGLWNFREKE-----GDCKGCTVSP 352
Qy 365 QIVPITFVNSSGSYLLLPQTPOIDG-----LSVSFQFRTWNKDGLL--- 405
Db 353 QVED-----SEGTIQFDGEGYALVSRPIRWYPNISTVMFKFRTFSSALLMYL 400
Qy 406 -----LSTELSESGTLLSLEGGILRLVIOKMTERRVAEILTGSNLNDGLWHSVSIN 457
Db 401 ATRDLRDFMSVELTDGHIKVSVDLGS-----MASVVSQNQHNHNDGKWKSTLS 448
Qy 458 ARNRITLTL-----DDEAAPAPDSTWVQIYSGNSYVFGGCPDNLTDSCCLNP--- 506
Db 449 RIQKQANISIVDIDTNOEENIATSSSGNFGDLKADDKIYFGGLPLRLNLSMKARPEVN 508
Qy 507 IKAFQCMRLIFIDNQ-----KDLISVQQGSLGNFSDLHIDLCISKDKRCLPNYCEHGG 560
Db 509 LKYSGLKLDIEISRTYPYNILSSPDYVGVTKG-----CSLENVYTVSFPKPG- 555
Qy 561 SCSSQWTFYCNCSDTSYTGATCHNSIYEQSCEVYRHOQNTAGFFVIDSDSGSGPLGLQV 620
Db 556 -----FVELSPVPIDVGTETNLSFSTK-----NESGIILGSGGT-PAPP--- 594
Qy 621 YCNITEDKIWTSVQHNNTLTVRGANPEKPYAMALDY-----GSMEQLEAVI--- 669
Db 595 -----RRKRRTQGAQYVILLNRGRLEVHLSTGARTMRKIVIRPE 634
Qy 670 -----DGSEHCEQEVAYHCRRLNLTDPDGTPTTWIGRSNERHP-----YWGSPPGV 718
Db 635 PNLFDGREGH-----SVHVERTRGITVQVDENRRYMQNLTVEQPIEVKKLFVGGAPPEF 689
Qy 719 QQC-----ECGLDESCL-----DIQHCNCADKDEWNTDGTGFLSF 754
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Db 799 -DDTKVKNRLTIELE-----VRTEAESGLLFYMAAINHADFAVQLRNLGPY-FSYD 848
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Db 849 LGSQDHTMI--PTKINDGQWHKIKIMRSKQEGILYVDG--ASNRTISPKKADILDVVG 904
Qy 915 LFVGGT---SSRQKGLF---GCIRSLHLNGQKMDLEERAKVTSGVRPGCPGHCSY 965
Db 905 LYVGGPLPINTYTRRIGPVITYSIDGCVRNHLHMAEAPADLEQPT-----SSF- 949
Qy 966 SICHNGKCKVEKHNGYLCDCNTNSPYEGPCKKEVSAB--FEAGTSVTYMFQEPYPVTKNI 1023
Db 950 ---HVGTCFANAQRGTDFDGTG-----FAK---AVGGFKVGLDLLVEFE----- 987
Qy 1024 SLSSSAIYDTSAPSKENIALSFVTTQAPSLLLFINSSSQDFV-----VVLCKNGS- 1074
Db 988 -----FATTTTGTGVLGISSQKMDGMIEMIDEKLMFHVNDGAG 1026
Qy 1075 -----LQVRYHLNKEETHVFTIDADNFANRRMHHLKINREGRELTIQMDQLRLS--- 1124

Db 1027 RFTAVYDAGVPGHLCGQWHKVT-----ANKIKHRIELTVDGNQVEAQSPNPASTSADT 1080

QY 1125 -----YNFSPVEFR-VIRSLTLGKVT 1145

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RESULT 4

US-08-125-077-2

; Sequence 2, Application US/08125077

; Patent No. 5872231

; Patent No. 5872231 5840863

; GENERAL INFORMATION:

; APPLICANT: Engvall, Eva

; APPLICANT: Leivo, Ilmo

; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin

; TITLE OF INVENTION: Fragments and Uses Thereof

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Campbell and Flores

; STREET: 4370 La Jolla Village Drive, Suite 700

; CITY: San Diego

; STATE: California

; COUNTRY: USA

; ZIP: 92122

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC Compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/125,077

; FILING DATE: 22-SEP-1993

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US PCT/US 94/10730

; FILING DATE: 21-SEP-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/472,319

; FILING DATE: 30-JAN-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/919,951

; FILING DATE: 27-JUL-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Campbell, Cathryn A.

; REGISTRATION NUMBER: 31,815

; REFERENCE/DOCKET NUMBER: P-LA 9721

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 535-9001

; TELEFAX: (619) 535-8949

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1130 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-125-077-2

Query Match 4.6%; Score 320.5; DB 2; Length 1130;

Best Local Similarity 20.1%; Pred. No. 5.3e-20;

Matches 224; Conservative 150; Mismatches 378; Indels 365; Gaps 49;

QY 205 ISLKFKSMQGDGVLFH-GEGQRGDHITLEQGRALHLNLGDSKARLSSSLPSATLGSL 263

Db 190 IVVNVKTAVADNLLFLGSAKFIDFLAIEMRKGVSLFDVGVGRV--EYDILT---- 243

QY 264 LDQDQHWXVLIERVGVQVNFVTD-----KHTQHFKGTETDALDIDYE--LSFGG 311

Db 244 IDDSYWYRIVASRTGRNGTISVRALDGPKASIVPSTHSTSPPGYTILDVANAMLFVGG 303

QY 312 IPVPGKPGTFLKK-----NFHGCIENTLYNGVNIIXLAKRRKHQIYTVGNVTFSCSEP 364

Db 304 L--TGK----LKKADAVRVITFTGCMGETYFDNKPGLWNFREKE-----GDCKGCTVSP 352

QY 365 QIVPITFVNSSGSYLLLPGTQPIDG-----LSVSFQFRTWKNKGDL--- 405

Db 353 QVED-----SEGTIQFDGEGYALVSRPIRWYPNISTVMFKERTFSSALLMYL 400

QY 406 -----LSTELSESGTLLLSLEGILRLVIOQMTERVAEILTGSNLNDGLWHSVSIN 457

Db 401 ATRDLRDFMSVELTDGHIKVSYDLGSG-----MASVVSQNHNHNDGKWKSTLS 448

QY 458 ARNRITLTL-----DDEAAPAPDSTWVQIYSGNSYFYGCPDNLTDSCCLNP--- 506

Db 449 RIQKQANISIVDIDTNQEENIATSSGNNFGLDLKADDKIYFGLPTLRNLSMKARPEVN 508

QY 507 IKAFQCMRLIFIDNP-----KDLISVQQGSLGNFSDLHLIDLSIKDRCLPNYCEHGG 560

Db 509 LKKYSGCLKDIEISRTPYNILSSPDYGVTKG-----CSLENVYTVSFPPKG- 555

QY 561 SCSQSWTFYCNCSDTSYTGATCHNSIYEQSCVYRHQNTAGFFYIDSDGSGPLGLQV 620

Db 556 -----FVELSPVPIDVGTEINLSFSTK-----NESGIILGSGGT-PAPP--- 594

QY 621 YCNITEDKIWTSVQHNNTELTRVRGANPEKPYAMALDYG-----GSMEQLEAVI--- 669

Db 595 -----RRKRRGTQAYYVILLNRGRLEVHLSTGARTMRKIVIRPE 634

QY 670 -----DGSEHCEQEVAYHCRRSRLLNTPDGTFTWIGRSNERHP-----YWGGSPPGV 718

Db 635 PNLFDGREGH-----SVHVERTRGFTVQVDENRRYMQNLTVQEPFIEVKKLFVGGAPPEF 689

QY 719 QQC-----ECGLDESCL-----DIQHFCNCADADKDEWNTDGTGFLSF 754

Db 690 QPSPLRNIPPFEGCIWNLVINSVPMDFARPVSFKNADIGRCAHQKLRDE----- 739

QY 755 KDHLPTQIVI-----TDTD-----RSNSEAAWRIGPLRCYGDRRFWNAVSE 796

Db 740 -DGAAPAEIVIQPEVPPTPAFPPTPVLTHTGPAAESEPALLIGSKQFGLSRNSHIAIAF 798

QY 797 YTEASYLHFPTFHAESADISFFFKTTALSGV--FLENLGIKDFIRLEISSPSEITFAID 854

Db 799 -DDTKVKNRLTIELE-----VRTEAESGLLFYMAAINHADFATVQLRNLGPY-FSYD 848

QY 855 VNGPVELVQSPSLLNDNQHVRAERNLKETSLQVDNLPSTRETSEEGRFLQLNSQ 914

Db 849 LGSGDTHMI--PTKINDGQWHKIKIMRSKQEGILYVDG--ASNRTISPKKADILDVVG 904

QY 915 LFVGGT----SSRQKGF-----GCIRSLHLNGQKMDLEERAKVTSGVRPGCPGHCSSYG 965

Db 905 LVVGLPINYTRRIGPVTVYSIDGCVRNLMHMAEPADLEQPT-----SSF- 949

QY 966 SICHNGGKCKEKNHGYLDCCTNSPYEGPFCKKEVSAV--FEAGTSVTYMFQEPYPVTKNI 1023

Db 950 ---HVGTCFANAQRGTYFDGTG-----FAK-----AVGFKVGLDLLVEFE----- 987

QY 1024 SLSSSAIYTDAPSKENIALSFVTTQAPSLLLFINSSSQDFV-----VVLCKNGS- 1074

Db 988 -----FATTTTGVLLGISSQKMDGMGIEMIDEKLMFHVNDGAG 1026

QY 1075 -----LQVRYHLNKEETHVETIDADNFANRRMHHLKINREGRELTQMDQQLRLS--- 1124

Db 1027 RFTAVYDAGVPGHLCGQWHKVT-----ANKIKHRIELTVDGNQVEAQSPNPASTSADT 1080

QY 1125 -----YNFSPVEFR-VIRSLTLGKVT 1145

Db 1081 NDPVVGFPDDLKQFGLTSIPFRGCIRSLKLTGKT 1117

RESULT 5

US-08-460-309-4

; Sequence 4, Application US/08460309

; Patent No. 5837496

; GENERAL INFORMATION:


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;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/125,077
; FILING DATE: 22-SEP-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US 94/10730
; FILING DATE: 21-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/472,319
; FILING DATE: 30-JAN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/919,951
; FILING DATE: 27-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LA 9721
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3111 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-125-077-4

Query Match 4.6%; Score 320.5; DB 2; Length 3111;
Best Local Similarity 20.1%; Pred. No. 3.3e-19;
Matches 224; Conservative 150; Mismatches 378; Indels 365; Gaps 49;

QY 205 ISLKFKSMQGDGVLFH-GEQQRGDHITLELQKRLALHLNLGDSKARLSSSLPSATLGSL 263
Db 2171 IVNVKTA VADNLLFYLGS AKFIDFLA IEMRKGVSLWDV GSGVGRV--EYPDLT---- 2224

QY 264 LDDQHWHXVLI ERVKQVNF TVD-----KHTQH FRTKGETDALDIDYE--LSFGG 311
Db 2225 IDDSYWYRIVASRTGRNGTISVRALDGP KASIVPSTHSTSPPGYTILDVDANAMLFVGG 2284

QY 312 IPVPGKPGTF LKK-----NFHGCIENLYNGVNIIXLAKRRKHQIYTVGNVTFSCSEP 364
Db 2285 L--TGK----LKKADAVRVITFTGCMGETYFDNKP IGLWNFREKE-----GDCKGCTVSP 2333

QY 365 QIVPITEVNSSGYSLLLP GTPQIDG-----LSVSFQFRTWNKDGLL--- 405
Db 2334 QVED-----SEG TIQDGE GYALVSRPIRWYPNISTVMFKFRTFSSALLMYL 2381

QY 406 -----LSTELSEGSGTLLLSLEGGILRLVIQKMT ERVAEILTGSNLNDGLWHSVSIN 457
Db 2382 ATRDLRDFMSVELTDGH IKVSYDLGSG-----MASVVSQNHNHNDGKWSFTLS 2429

QY 458 ARNRITLTL-----DDEAAPPADSTWVQIYSGNSYFEGGCPDNLTD SQCLNP--- 506
Db 2430 RIQKQANISIVDIDTNOEENIATSSGNNFGLDKADDKIYFGGLPTLRNLMSKARPEVN 2489

QY 507 IKAFQCGMRLIFIDNQP-----KOLISVQOGSLGNFSDLHIDLCSIKDRCLPNYCEHGG 560
Db 2490 LKKYSGCLDKIEISRTPYNILSSPDYVGVTG-----CSLENVYTVSFPKPG- 2536

QY 561 SCSQSWTTFYCNCSDTSYTGATCHNSIYEQSCVYRHQNTAGFFYIDSGSGPLGPLQV 620
Db 2537 -----FVELSPVPIDVGTEINLSFSTK-----NESGIILLGSGGT-PAPP--- 2575

QY 621 YCNITEDKIWTSVQHNNTELTRVRGANPEKPYAMALDYG-----GSMEQLEAVI--- 669
Db 2576 -----RRRRQRTGQAYVIVILLNRRGRLEVHLSTGARTMRKIVIRPE 2615
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QY 670 -----DGSEHCEQEVAYHCRRRSRLNTPDGTFTTWIGRSNERHP-----YWGSGPPGV 718
Db 2616 PNLFHDGREH-----SVHVERTRGIFTQVDENRRYMQNLTV EQPIEVKKLFLVGGAPPEF 2670
QY 719 QQC---ECGLDESL-----DIQHCNCDA DKDEWNTD TGLSLF 754
Db 2671 QPSPLRNIPPEGCIWNLVNSVPMDFARPVSFKNADIGRCAHQKLEDE----- 2720
QY 755 KDHLPTVQI VI-----TDTD-----RSNSEAAWRIGPLRCYGD RRRFNAVSEF 796
Db 2721 -DGAAPAEIVIQEPVPPTPAFTPTPVLTGHPCAAESEPAL LIGSKQFGLSRNSHIAIAF 2779
QY 797 YTEASYLHPTTFHAEFSADISFFFKTTALSGV--FLENLGIKDFTRLEISSPSEITFAID 854
Db 2780 -DDTKVKNRLTIELE-----VRTEAESGLLFYMAA INHADFATVQLRNLGPY-FSYD 2829
QY 855 VGNPVELVQSPSLNDNQWHYVRAERNL KETSLQVDNLPRSTRETSEE GHFRLQLNSQ 914
Db 2830 LSGDTHMTI--PTKINDGQWHKIKIMRSKQEGILYVDG--ASNRTISPKKADILDVVG M 2885
QY 915 LFVGGT---SSRQKGLF----GCIRSLHLNGQKMDLEERAKVTSGVRPGCPGHCSSYG 965
Db 2886 LYVGGLPINYTTTRRIGPVYTSIDGCVRNLMHMAEAPADLEQPT-----SSF- 2930
QY 966 SICHNGGKCKVEKHNGYLCDCTNSPIEGPFCKKEVS AV--FEAGTSVTYMFQEPYPVTKNI 1023
Db 2931 ---HVGTCFANAQRGT YFDGTG-----FAK----AVGFKVGLDLLVEFE----- 2968
QY 1024 SLSSAIYTD SAPSKENIALSFVTTQAPSL LLLFINSSSQDFV-----VLLCKNGS- 1074
Db 2969 -----FATTTTGVLLGIS SQKMDGMG IEMIDEKLMFHVDNGAG 3007
QY 1075 -----LQVRYHLNKEETHVFTIDADNFANRRMHHLKINREGRELT IQMDQQLRLS--- 1124
Db 3008 RFTAVYDAGVPGHLC DQGWHKVT-----ANKIKHRIELTV DGNQVEAQSPNPASTSADT 3061
QY 1125 -----YNFSPEVEFR-VIRSLTLGKVT 1145
Db 3062 NDPVFVGFPDDLKQFGLTTSIPRGCI RSLKLTGT 3098

RESULT 7
US-08-460-309-5
; Sequence 5, Application US/08460309
; Patent No. 5837496
; GENERAL INFORMATION:
; APPLICANT: Engvall, Eva
; APPLICANT: Leivo, Ilmo
; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin
; TITLE OF INVENTION: Fragments and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,309
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,077
; FILING DATE: 22-SEP-1993
; APPLICATION NUMBER: US PCT/US 94/10730
; FILING DATE: 21-SEP-1994
; PRIOR APPLICATION DATA:
```



```

; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LA 9721
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3075 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-125-077-5

Query Match 4.2%; Score 294; DB 2; Length 3075;
Best Local Similarity 19.3%; Pred. No. 8.8e-17;
Matches 238; Conservative 178; Mismatches 474; Indels 340; Gaps 56;

QY 104 TSYSL-MFSDTGRNWKQYKQEDSIWT-FAGNMNADSVVHHKLLHSVRARFVRFP---LE 158
Db 2039 TSASLSRVNTTLRETHQLQDSTMATLLAGRKVKDVEIQAKVL-----FDRLKPLKMLE 2092

QY 159 WNP SGKIG-----MRVEVYGCSYKSDV-ADFDRSSLLYRFNQKLMSTLKDVISLKPKS 211
Db 2093 ENLSRNLSEIKLLISQARKQAASIKVAVSADR-----CIRAYQPQISSTNYNTLTLNVKT 2148

QY 212 MQGDGVLFH-GEQQRGDHITLQKGRALHLNLGSKARLS-SSLPSATLGSLLDDQHW 269
Db 2149 QEPDNLFLYLGSTASDFLAVEMRRGRVAFWLWDLGSSTRLEFPDFP-----IDNRRW 2201

QY 270 HXVLIERVG-----KQVNFTVDKHTQHFRKTGETDALDIDYE--LSFGGIPVPGKPGT 320
Db 2202 HSIHVARFGNIGLSVKEMSSNQKSPKTSKSPGTANVLVDVNNSTLMFVGGL-----GG 2255

QY 321 FLKK-----NFHGCIENLYYNGVNIIXLAKRRKHQIYTVGNV--TFSCSEPIVPITF 371
Db 2256 QIKKSPAVKVTHFKGCLGEAFLNGKSI-----GLWNVIEREGKRCGCFGSSQNEDEPSHF 2310

QY 372 VNSSGSYL--LLPGTPQIDGLSVSFQFRTWNKDGLL-----LSTELSEGSGILL 418
Db 2311 DSGYSVVEKSLPATV-----TQIIMLFNTFSPNGLLLYLSGYGTDKDFLSIELFRGRVKVM 2366

QY 419 LSLEGGILRLVIOKMTERVAEILTGSNLNDGLHWSVSNARRNRITLTLD----- 469
Db 2367 TDLGSGPITL-----LTDRRYNNGTWYKIAFQRNRKQGVLAVIDAYNTSNKET 2414

QY 470 -EAAPPAPDSTWQIYSGNSYFVGCPDNLTDSCCLNPIKAFQGCMLRIFIDNQPKDLI- 527
Db 2415 KOGETPGASSDLNRL-DKDPIYVGLPRSRVVRGVGT-TKSFVGCINKLEISRSTFDLLR 2472

QY 528 ---SVQQGS-----GNFSDLHIDLCISIKDRCLPNYCEHGGSCSQSWTTFYCNCSDTSYTG 580
Db 2473 NSYGVKRGCLLEPIRSVSFLKGGYIELPPKSL-----SPESEWLVTFAITNSSGILL 2524

QY 581 ATCHNSIYEQSCVYRHQGNAGTFFYIDSGSGPLGLQVYCNITEDKIWTSVQHNNTEL 640
Db 2525 AALGGDVEKRGDREEAH-----VPFFSVMLIG-----GNIEVHVNPGDG----- 2563

QY 641 TRVRGANPEKPYAMALDYGGSMEOLEAVIDGSEHCEQEVAYHCRSRRLNTPDGPFTTW 700
Db 2564 TGLRKALLHAPTCTCD--GQAHSISLVN-----RRITVQLDENNPVEMK 2608

QY 701 IG-----RSNERHPYWGSGPPGVQCEGLDESCLDIQ---HFC-----NC 738
Db 2609 LGTLVESRTINVSNLVVGIGIPEGE-----GTSLLTMRSEFHGCIKNLIFNLELDFNS 2661

QY 739 DADKDEWTNDTGLSFKDLPLVPTQIVITDTRNSSEAAWRIGPLRCYGDRRFVNAVSF-- 796
Db 2662 AVGHEQVDLDTCLWLSERPKL-----APDAEDSKLLREPRAFPEQCQVDA-----ALEYVP 2711

QY 797 -----YTEASYLHFP-----TFHAEFSADISFFFKTALSGV--FLENLGIKDFIRLEIS 844
Db 2712 GAHQFGLTQNSHFILPFNQSAVRKKLSVELS--IRTLASSGLIYYMAHQNAQYAVLQLH 2769
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QY 845 SPSEITFAIDVGNPVELVQSPSLNDNQWVYRAERNLKETSLQVDNLPSTRETSEE 904
Db 2770 G-GRLFHFMFDLGKGRTK--VSHPALSDGKWHTVKTQDYVVKRGFTIVDGRSPMVTVVG 2826

QY 905 GHFRLQLNSQLFVGGTSSRQK-----GFLGCIRSLHLNGQKMDLEERAKVTSGVRP 955
Db 2827 GTM-LDVEGLFYLGLPSQYQARKIGNITHISIPACIGDVTVNSKQLDKDSPVSAFTVNR- 2884

QY 956 GCPGHCSSYGSICHNGGKCVKEKHNGVLCDCCTNSPYEGPFCKKEVSATFEAGTSVTYMFQE 1015
Db 2885 -----CYAVAQEGTY-----FD-GSGYAALVKE 2906

QY 1016 PYPVTKNISLSSAIYTDAPS KENIALSFVTTQAPSLLLFINSSQDFVVVLLCKNGSL 1075
Db 2907 GYKVQSDV-----NITLFTSSQNGVLLGISTAKVDAIGLELVDG--- 2947

QY 1076 QVRYHLNK-----EETHVFTIDADNFANRRMHHLKINREGRELTQMD----- 1118
Db 2948 KVLHVNNAGAGRITPAYEPTATVLCDG---KWHTLQANKSKHRTILIVDGNVAGAES 3003

QY 1119 --QQLRLSYN-----FSPEVEFRVIRSLTLGKVTENGLDSEVAKANAMGFAGCM--- 1166
Db 3004 HTQSTSVDTNNPIYVGYPAGVKQKCLRSQT-----SFRGCLRKL 3043

QY 1167 -----SSVQYNHIAPLKAALRHATVAP 1188
Db 3044 ALIKSPQVQSLDFSRAFELHGVFLHSCPGP 3073
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RESULT 9
US-08-600-982-24
; Sequence 24, Application US/08600982
; Patent No. 6120991
; GENERAL INFORMATION:
; APPLICANT: Carter, William G.
; APPLICANT: Gil, Susanna A.
; APPLICANT: Ryan, Maureen C.
; TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for
; TITLE OF INVENTION: Integrins
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness
; STREET: 1420 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101-8100
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/600,982
; FILING DATE: 02-SEP-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Shelton, Dennis K.
; REGISTRATION NUMBER: 26,997
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 682-8100
; TELEFAX: (206) 224-0779
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1713 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; DESCRIPTION: E170 protein as translated from sequence
; DESCRIPTION: of FIGURES 15A-15F, and as shown also in FIGURES
; DESCRIPTION: 19A-19R
; US-08-600-982-24
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	Query Match	3.6%	Score 253;	DB 3;	Length 1713;
	Best Local Similarity	19.3%	Pred. No. 1.9e-13;		
	Matches 241;	Conservative 176;	Mismatches 447;	Indels 384;	Gaps 62;
QY	93	TQGRYGSSDWVTSYSLMFSDTGRN-----WKQYKQEDSIWTFAGNM--NADSVVHH	141		
DB	699	TYGRTONEDF--KKALTDADNSVKNLTKLPDLWRKIESINQQLPLGNISDNMDRI--R	754		
QY	142	KLHHSVR-ARFVRFPLEWNSGKIGMRVEVYGCYSKYSDVADFGRSSL---LYRFNQKL	197		
DB	755	ELIQARDAASKVAVPMRFN--CKSGVEVRL-----PNDELDLKGYSLSLFLQRPNSRE	807		
QY	198	MSTLKDVISLKFKSMQGDGVLFHGEQGRG-DHITLELQKGRALHLNLGDSKARLSSSLP	256		
DB	808	NGGTENMF-----VMYLGKNKASRDYIGMAVVDGQLTCVYNLGDREAELQ----	852		
QY	257	SATLGSLLDDQHWHXVLIERVGKQ-----VNFTVDKHTQHFRTKGETD-----AL	301		
DB	853	---VDQILTKSETKEAVMDRVKRFQRIYQFARLNYTKGATSSKPEIPGVYDMDGRNSNTLL	909		
QY	302	DIDYE---LSFGGIPVPGK-PGTFLLKKNFHGCIENLYYGVNIIXLAKRRKHQIYTVGVN	357		
DB	910	NLDPENVFYVGGYPPDFKLPSRLSPPPYKGCIE-LDDLNLNENVLSLYNFKK-----	959		
QY	358	TFSCSEPIVPI-----TFVNSSGSYLLLPPTQPIDGLSVSFQFRTWNKDGLLLLST	408		
DB	960	TFNLNTEVEPCRRRKEESDKNYFEGTG-YARVPTQPHAPIPTFGQITQTTVDRLGLLFFA	1018		
QY	409	ELSEGSGTLLSLEGGILRLVIQKMTERVAEILTGSNLNDGLWHSVSINARR--NRITLT	466		
DB	1019	E--NGDRFISLNIEDGKLMVRYKLNSELPKERGVDGINNGRDHSIQIKIGKLQKRMWIN	1076		
QY	467	LDDEAAPAPDSTWV--QIYSGNSYYFGGCPDNLTDSQLNPIKAFQCGCMRLIFIDNQPK	524		
DB	1077	VDVQ-----NTIIDGEVDFSTYYLGGIPIAIRERFNIS-TPAFRCMK-----NLKK	1123		
QY	525	-----DLISVQOQSLGNFSDLHIDLCSIKDRCLPNYCEHGSGCSQSW-----TTFYCN	572		
DB	1124	TSGVVRNLNDTVGVTK-----KCEDWKLVRSASFSR	1154		
QY	573	CSDTSYT-----GATCHNSIYEQSCVYRHQGNNTAGFFYID--	608		
DB	1155	GGQLSFTDLGLPPTDHLQASFGFTFPQSGILLDHQWTWRNLQVLEDG-----YIELS	1208		
QY	609	-SDGSGP-----LGPLQVYCNITEDK-----IWTSVQHNNTELTRVRGANPEKPYA	653		
DB	1209	TSDSGGPIFKSPQTYMDGLLHYVSVISDNSGLRLIIDQLLRNSKRLKHISSR-----	1262		
QY	654	MAIDYGGSMEOLEAVIDGSEHCQEVEYVAYHCRRSRLLNTPDGTPTFTWIGRSNERHPYWG	713		
DB	1263	QSLRLGGS-----NFEGCISNVFV---QRLSLSPEVLDLT---SNSLKRQDVSLGG	1306		
QY	714	SPPGVQOCECGLDESCLDIQHFCNCADKDEWNTDGTFLFKDHLPVQIVITDTRSNS	773		
DB	1307	-----CSLNK-----PPFLMLLLKGSTRFNK	1326		
QY	774	EAAWRIG-----PLRCYGDREFWNAVSF---YTEASY--LHF---PTFH-----	809		
DB	1327	TKTFRINQLQDTPVASPRSVKVVQDACSPLPKQTQANHGAQFGDIPTSHLLFKLPQELL	1386		
QY	810	---AEFSADISFFFKTTALSGVPLENLGIKDFIRLEISSPSEITFAIDVGNPVELVVQS	866		
DB	1387	KPRSQFAVDM---QTTSSRGLVFHTGTKNSEFALYLSK-GRVFEAL--GTDGKKLRIKS	1439		
QY	867	PSLLNDNQWHYVRAERNLKETSLOVDNLPSTRETSEECHFRQLNSQLFVGGTSSRQ--	924		
DB	1440	KEKNDGKWHTVVFGHDGEGKRLVVDGL--RAREGSLPGNSTISIRAPVYLGSPSGKPK	1497		
QY	925	----KGFLGCIRSLHLNGQKMDLEERAKVTSGVRPGCPGHCSYK-SIC-----	968		
DB	1498	SLPTNSFVGCLKNFQDLSKPL-----YTPS-----SSFVSSCLGGPLEKGIYF	1541		

QY 198 MSTLKDVISLKFSMQGDGVLFHGEQGRG-DHITLELQKGRALHLNLGDSKARLSSSLP 256
Db 808 NGGTENMF-----VMYLGNKDKASRDYIGMAVVDGQLTVCVYNLGDREALQ----- 852
QY 257 SATLGSLLDDQHWHXVLIERVGKQ-----VNFTVDKHTQHFRKTGETD-----AL 301
Db 853 ---VDQILTKSETKEAVMDRVKFKQRIYQFARLNTYKGTATSSKPETPGVYDMDGRNSNTLL 909
QY 302 DIDYE---LSFGGIPVPGK-PGTFLLKKNFHGCIENLYNGVNIIXLAKRRKHQIYTVGNV 357
Db 910 NLDPENVVVFVGGYPPDFKLP SRLSFPPYKGCIE-LDDLNVLSLYNFKK----- 959
QY 358 TFSCSEPIQVPI-----TFVNSSSGSYLLLPGTPOIDGLSVSFQFRTWNKDGLLLST 408
Db 960 TENLNTTEVEPCRRRKEESDKNYFEFTG-YARVPTQPHAPIPTFGQTIQTVDRGLLFFA 1018
QY 409 ELSEGSGTLLSLEGGILRLVIOQMTERVAEILTGSNLDGLWHSVSINARR--NRITLT 466
Db 1019 E--NGDRFISLNIEDGKLMVRYKLNSELPRKRGVGDAINNGRDHSIQIKIGLQKRMWIN 1076
QY 467 LDDEAAPAPDSTWV--QIYSGNSYFVGCGPDLNLTDSQCLNPIKAFQGCMLRIFIDNQPK 524
Db 1077 VDVQ-----NTIIDGEVDFSTYILGGIPIAIRERFNIS-TPAFRGCMK-----NLKK 1123
QY 525 -----DLISVQQGSLGNFSDLHIDLCISKDRCLPNYCEHGGSCSQSW-----TTFYCN 572
Db 1124 TSGVVRLNDVGVTK-----KCEDWKLVRSAFSR 1154
QY 573 CSDTSYT-----GATCHNSIYEQSCVYRHQGNTAGFFYID-- 608
Db 1155 GGQSFDTGLPPTDHLQASFGFQTFQPSGILLDHQWTWRNLQVTLTDG-----YIELS 1208
QY 609 -SDGSGP-----LGPLQVYCNITEDK-----IWTSVQHNNTELTRVRGANPEKPYA 653
Db 1209 TSDSGGPTEKSPQTYMDGLLHYVSVISDNSGLRLDIDQLLRNSKRLKHISSSR----- 1262
QY 654 MALDYGGSMEQLEAVIDGSEHCEQEYAYHCRSRLLNTPDGTPFTWIGRSNERHPYWG 713
Db 1263 QSLRLGGS-----NFEGCISNVFV---QRLSLSPEVLDLT---SNSLKRDRVSLGG 1306
QY 714 SPPGVQCEGCLDESLDIOHFCNCADKDEWTNDTGFLSFKDLPLVTVQIVITDTRSNS 773
Db 1307 -----CSLNNK-----PPFLMLLKGSTRFNK 1326
QY 774 EAAWRIG-----PLRCYGDRRRFNAVSEF---YTEASY--LHF---PTFH----- 809
Db 1327 TKTRFNQLLQDTPVASPRSVKVVWQDACSPLPKTOANHGALQFGDIPITSHLLFKLPQELL 1386
QY 810 ---ABFSADISFFFKTTALSGVFLENLGIKDFIRLEISSPSEITFAIDVGNPVELVVQS 866
Db 1387 KPRSQFAVDM---QTTSSRGLVFHTGKNSFMALYLSK-GRLVFAL--GTDGKKLRIKS 1439
QY 867 PSLNDNQWHYVRAERNLKETSQVNDLPRSTRETSEEGHFRQLNSQLFVGGTSSRQ-- 924
Db 1440 KERENDGKWHTVVFGHDGEKGRLVVDGL--RAREGSLPGNSTISIRAPVYLGSPSPGKPK 1497
QY 925 ----KGFLGCIRSLHLNGQKMDLEERAKVTSGVRPGCPGHCSSYG-SIC----- 968
Db 1498 SLFTNSFVGCLKNFQDLSKPL-----YTPS-----SSFVSSCLGGLPEKGIYF 1541
QY 969 -HNGGKCVKEKHNGYLCDCNTNSPYEGFPCKKEVS AVFEAGTSVTYMFQEPYPVTKNISLSS 1027
Db 1542 SEEGGHVVLAHSVLL-----GP-----EFKLVS-----IRPRSLTG 1573
QY 1028 SAIYTDAPS KENIALSFVTTQAPSLLLFINSSSQDFVVVLLCKNGSLQVRYHLNKEETH 1087
Db 1574 ILTHIGSQPGKH-----LCVYLEA-----GKVTASMDSGAGGTS 1607
QY 1088 VFTIDADNFANRRMHHLKINREGRELTIQMDQQLRLSYNFSPEVERFVIRSLTLGKVTEN 1147
Db 1608 TSVTPKQSLCDGQWHSVAVTIKQIHILHLELDTDSSYTAGQIPIFPFPASTQEPHLHGGAPAN 1667
QY 1148 L-GLDSEVAKANAMGFA GCMSSVQYNHI-APLKAALRHATVAPVTVHG 1193

Db 1668 LTTLRIPVWKS-----FFGCLRNHVNHIPVPVTEALE--VQGPVSLNG 1709
RESULT 11
US-09-191-647-2
; Sequence 2, Application US/09191647
; Patent No. 6046015
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/191,647
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: 60/065,544
; EARLIER FILING DATE: 1997-11-14
; EARLIER APPLICATION NUMBER: 60/081,057
; EARLIER FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1525
; TYPE: PRT
; ORGANISM: human
US-09-191-647-2
Query Match 3.6%; Score 248; DB 3; Length 1525;
Best Local Similarity 22.3%; Pred. No. 4.4e-13;
Matches 168; Conservative 95; Mismatches 286; Indels 206; Gaps 43;
QY 355 GNVTFCSEPIQV-----ITFVNSSGSYLLLPGPQO-----IDGLSVSFQFRTWN 400
Db 711 GNDNNSCPLSRCPTECTCLDTVVVRCNKGKLVLPKGI PRDVTLYLDG---NQF---- 762
QY 401 KDGLLLSTELSESGTLLSLEGGILRLV---IQMTERVAEILTGSNLN-----DG 449
Db 763 ---TLVPKELSNYKHLTLIDLNNRISTLSNQSFNSMTQLTLILSYNRLRCIPPRTFDG 819
QY 450 LWHSVSINARRNRITL-----TLDEEAAPP-----DSTWVQIYSGNSYFVG- 493
Db 820 LKSLRLLSLHGNDISVVPPEGAFNDLSALSHLAIGANPLYDCNMQLSDWVKSEYKEPGI 879
QY 494 --C--PDNLTDSQL-NPIKAF--QGCMLRIFIDNQPKDLISVQGSGLGNFSDLHIDLCS 546
Db 880 ARCAGPGEMADKLLLTTPSKKFTCQG-----PVD-----VNILA 913
QY 547 IKDRCLPNYCEHGGSCSQSWTTFY-CNC-----SDTSYTGATCHNSIY 588
Db 914 KNPCLSNPCKNDGTCNSDPVDFYRCTCPYGFKGQDCDVP IHACISNPKCHGGTCH--- 969
QY 589 EQSCVYRHQNTAGFFVYIDSDG-SGPLGLQVYCNITEDKIWTSVQHNNTTELTRVRGAN 647
Db 970 -----LKEGEEDGFWCICADGFEGE-----NCEVNVDDEDNDCENNS--TCVDGIN 1014
QY 648 -----PEKPYAMALDYGGSM--EQLEAVIDGSEHCEQEYAYHCRSRLLNTPDGTPFT 698
Db 1015 NYTCLCPPE-----YTGELCEEKLDFAQDLNPCQHD-----SKCILTPKG--- 1055
QY 699 WWIGRSNERHPYWGSPGVQQCECGLD-ESCLD--IQHFCNCADKDEWT-----NDTG 750
Db 1056 -----FKCDCTPGYVGEHCDIDFDDCQDNKCKNGAHCTDAVNGYTCICPEGYSG 1104
QY 751 -FLSEFKDH--LPVTQIVITDTRSNSEAAWRIGLRC-----YGDRRFNVAVS--FYTEA 800
Db 1105 LFCEFSPPMVLPRTPCDNFDCCQNGAQCIVRINEPICQCLPGYQGECKEKLVS VNFINKE 1164
QY 801 SYLHFPTTHAEFSADISFFFKTTALSGVFLENLGIKDFIRLEISSPSEITFAIDVGNPVP 860
Db 1165 SYLQIPSAKVRPQTNITLQIATDEDSGILLYK-GDKDHIAVELYR-GRVRASYDTGSHPA 1222

QY	355	GNVTFSCSEPQIVP-----ITFVNSSGSYLLLPGETPQ-----IDGLSVSFQFRTWN	400
DB	711	GNDDNSCPLSRCTECTCLDTVVRCSNKGLKVLPGKIPRDVTELYLDG-----NQF----	762
QY	401	KDGLLLSTELSEGSCTLLLSLEGGILRLV---IQKMTERVAEILTGSNLN-----DG	449
DB	763	---TLVPKELSNYKHLTLIDLNNRISTLSNQSFNSTQQLTLILSYNRLRCIPPRPFDG	819
QY	450	LWHSVSINARRNRITL-----TLDDAAAPPAP-----DSTWVQIYSGNSYVEGG-	493
DB	820	LKSLRLLSLHGNDISVVPEGAFNLDLSALSHLAIGANPLYCDCNMQWLSDWVKSEYKEPGI	879
QY	494	--C--PDNLTDSQL-NPIKAF--QGCMLRIFIDNPQKDLISVQQGSLGNFSDLHIDLCS	546
DB	880	ARCAGPGEMADKLLLTPTSKKFTCOG-----PVD-----VNILA	913
QY	547	IKDRCLPNYCEHGGSCSQSWTTYF-CNC-----SDTSYTGATCHNSIY	588
DB	914	KCNPCLSNPCKNDGTCTNSDPVDFYRCTCPYGFKGQDCDVPIHACISNPKCHGGTCH----	969
QY	589	EQSCEVYRHQNTAGFFYIDSDG-SGPLGLQVQYCNITEDKIWTSVQHNNTELTRVRGAN	647
DB	970	-----LKEGEEDGFWCICADGFEGE-----NCEVNVDDCEDNDCENNS--TCVDGIN	1014
QY	648	-----PEKPYAMALDYGGSM--EQLEAVIDGSEHCEQEVAYHCRRSRLLNTPDGTPTFT	698
DB	1015	NYTCLCPPE-----YTGELCEEKLDFAQDLNPCQHD-----SKCILTPKG----	1055
QY	699	WWIGRSNERHPYWGSGPGVQQCECGLD-ESCLD--IQHFCNCDAKDEWT-----NDTG	750

QY	355	GNVTFSCSEPQIVP-----ITFVNSSGSYLLLPGLPTQ-----IDGLSVSFQFRTWN	400
Db	711	GNDDNSCSPLSRCPTECTCLOTVVRCSNKGLKVLPGKIPRDVTELYLDG-----NQF----	762
QY	401	KDGLLLSTELSESGTLLSLEGGILRLV---IQMTERVAEILTGSNLN-----DG	449
Db	763	---TLVPKELSNYKHLTLIDLNSNNRISTLSNQSFSNMTQLLTLILSYNRLRCIPPTFDG	819
QY	450	LWHSVSINARRNRITL-----TLDDDEAAPAP-----DSTWVQIYSGNSYFEGG-	493
Db	820	LKSLRLLSLHGNDISVVPEGAFNDSLASHLAIGANPLYCDCNMQWLSDWYKSEYKEPGI	879
QY	494	--C--PDNLTDSQL-NPIKAF--QGCMLIFIDNPQKDLISVQQGSLGNFSDLHIDLCS	546
Db	880	ARCAGPGEMADKLLLTTPSKKTCQG-----PVD-----VNILA	913
QY	547	IKDRCLPNYCEHGGSCSQSWTTFY-CNC-----SDTSYTGATCHNSIY	588
Db	914	KCNPCLSNPCKNDGTCSNDPVDFFRCTPCPYGFKGQDCDVPFHACISNPCKHGGTCH----	969

QY	355	GNVTFSCSEPQIVP-----ITFVNSSGSYLLLPGETPQ-----IDGLSVSFQFRTWN	400
DB	711	GNDDNSCPLSRCTECTCLDTVVRCSNKGLKVLPGKIPRDVTELYLDG-----NQF----	762
QY	401	KDGLLLSTELSEGSCTLLLSLEGGILRLV---IQKMTERVAEILTGSNLN-----DG	449
DB	763	---TLVPKELSNYKHLTLIDLNNRISTLSNQSFNSTQQLTLILSYNRLRCIPPRPFDG	819
QY	450	LWHSVSINARRNRITL-----TLDDAAAPPAP-----DSTWVQIYSGNSYVEGG-	493
DB	820	LKSLRLLSLHGNDISVVPEGAFNLDLSALSHLAIGANPLYCDCNMQWLSDWVKSEYKEPGI	879
QY	494	--C--PDNLTDSQL-NPIKAF--QGCMRLIFIDNPQKDLISVQQGSLGNFSDLHIDLCS	546
DB	880	ARCAGPGEMADKLLLTPTSKKFTCOG-----PVD-----VNILA	913
QY	547	IKDRCLPNYCEHGGSCSQSWTTYF-CNC-----SDTSYTGATCHNSIY	588
DB	914	KCNPCLSNPKNDGTCTNSDPVDFYRCTCPYGFKGQDCDVPIHACISNPKCHGGTCH----	969
QY	589	EQSCEVYRHQNTAGFFYIDSDG-SGPLGLPQVVCYNITEDKIWTSVQHNNTELTRVRGAN	647
DB	970	-----LKEGEEDGFWCICADGFEGE-----NCEVNVDDCEDNDCENNS--TCVDGIN	1014
QY	648	-----PEKPYAMALDYGGS--EQLEAVIDGSEHCEQEVAYHCRRSRLLNTPDGTPTFT	698
DB	1015	NYTCLCPPE-----YTGELCEEKLDFAQDLNPCQHD-----SKCILTPKG----	1055
QY	699	WWIGRSNERHPYWGSGPGVQQCECGLD-ESCLD--IQHFCNCDAKDEWT-----NDTG	750

QY 589 EQSCEVYRHQNTAGFFYIDSDG-SGPLPLQVYCNITEDIKIWTSVQHNNTELTRVRGAN 647
Db 970 -----LKEGEDGFWCICADGFE-----NCEVNDDCEDNDNCENNS--TCVDGIN 1014
QY 648 -----PEKPYAMALDYGGSM--EQLEAVIDGSEHCQEYVAYHCRSRLLTPTDGPFT 698
Db 1015 NYTCLCPPE-----YTGELCEEKLDFAQDLNFCQHD-----SKCILTPKG----- 1055
QY 699 WWIGRSNERHPYWGSPPGVQOCECGLD-ESCLD--IQHFCNCDADKDEWT-----NDTG 750
Db 1056 -----FKDCTPGYVGEHCDIDFDDCCQDNKCKNGAHCTDAVNGYTCICPEGYSG 1104
QY 751 -FLSEFKDH--LPVTQIVITDTRSNSEAAWRIGPLRC-----YGDRRFWNAVS--FYTEA 800
Db 1105 LFCEFSPPMVLPRTPSPCDNFDQNGAQCIVRINEPICQCLPGYQGEKCEKLVSVNFINK 1164
QY 801 SYLHFPPTFAEFSADISFFFKTTALSGVFLENLGIKDFIRLEISSPSEITFAIDVGNPGV 860
Db 1165 SYLQIPSAKVRPOTNITLQIATDEDSGILLYK-GKDHIARELYR-GRVRASYDTGSHPA 1222
QY 861 ELVVQSPSLNDNQWHYVRAERNLKETSLOVD-NLPRSTRETSEEGRFRLQLNSQLFVGG 919
Db 1223 S-AIYSVETINDGNFHVIVELLALDQSLSLSDVGGNPKIITNLSKQS--TLNFDSPLYVGG 1279
QY 920 -----TSSRQ-----KGFLGCIRSLHLNGQKMDLEERAKVTSGVRPGC-PGHCSSYG 965
Db 1280 MPGKSNVASLRQAPGQNGTSHFGCIRNLNINSELQDF-QKVPMTGILPGCEPCH----K 1334
QY 966 SICHNGGKCVKHNHGYLDCDCTNSPYEGPFCKKEVS 1000
Db 1335 KVCAHGTCQPSQAGFTCECQEG-WMGPLCDQRTN 1368

RESULT 14
US-08-644-271-32
; Sequence 32, Application US/08644271
; Patent No. 5814478
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; TITLE OF INVENTION: AND LIGANDS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/644,271
; FILING DATE: 10-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/008,657
; FILING DATE: 15-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Covert, Robert J
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 195A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-345-7400
; TELEFAX: 914-345-7721
; TELEX:
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids

; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; FEATURE:
; NAME/KEY: Human Agrin
; LOCATION: 1..492
; OTHER INFORMATION:
US-08-644-271-32

Query Match 3.4%; Score 235.5; DB 2; Length 492;
Best Local Similarity 24.4%; Pred. No. 8.2e-13;
Matches 121; Conservative 71; Mismatches 193; Indels 111; Gaps 25;

QY 715 PPGVQOCECGLDESCLDIQHFCNCDADKDEWTNDTGFLSFKDHLPTQIVITDTRSNSE 774
Db 42 PEGGAQCECPLGRE---GTFCOTASGQD----- 66
QY 775 AAWRIGPLRCYGDRRFNAVSFYTEASYLHPTFFHAEFSAD-----ISFFKTTALSGV 828
Db 67 ---GSGPF-----LADFNFGSHLELRGLHT-FARDLGEKMALEVFLARGPSGL 111
QY 829 FLEN---LGIKDFIRLEISSPSEITFAIDVGNPGVELVQSPSLNDNQWHYVRAERNL 884
Db 112 LLYNQKTDGKGFVSLALRD-RRLEFRYDLGKGA--VIRSREPVTLGAWTRVSLERNG 168
QY 885 KETSLQVDNLPRSTRETSEE---GHFRLQLNSQLFVGGTSSRQK-----GFLGCIR 932
Db 169 RKGALRVGDGPRVLGESPKSRKVPHTVNLKEPLYVGGAPDFSKLAAAAVSSGFDGAIQ 228
QY 933 SLHLNGQKMDLEE---RAKVTSGVRPGCPGH-CS-SYGSICHNGGKCVKHNHGYLDCDCT 986
Db 229 LVSLGGRQLLTPEHVLVRQVDVTS-----FAGHPCTRASGHPCLNGASCVPREAAVYVCLCP 283
QY 987 NSPYEGPFCKK--EVSA-----VFEAGTSVTYMFQEPYVPVTKNISLSSSAIYTDAPS 1037
Db 284 GG-FSGPHCEKGLVEKSAGVDVDTLAFDGRTFVEYL-----NAVTE---SELANEIPVEKALQ 336
QY 1038 KENIALSFVTTQAPSLLEFINSSSQ--DFVVVLLCKNGSLQVRYHLNKEETHVFTIDADN 1095
Db 337 SNHFELSLRTEATQGLVLSGKATERADYVALAIV-DGHLQLSYNLGSPVVLRLSTVPVN 395
QY 1096 FANRRMHHLKINREGRELTQMDDQLRLSYNFSF--EVEFRVIRSLTLGKVVTENGLDSE 1153
Db 396 --TNRWLRVVAHREQREGSLQVGNEAPVT-GSSPLGATQDLDTGALWGLGLPE-LPVGPA 451
QY 1154 VAKANAMGFAGCMSSV 1169
Db 452 LPKAYGTGFVGCRLDV 467

RESULT 15
US-09-188-930-183
; Sequence 183, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 183
; LENGTH: 771
; TYPE: PRT

; ORGANISM: Rat
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (717)...(717)
US-09-188-930-183

Query Match	3.4%;	Score 233.5;	DB 4;	Length 771;		
Best Local Similarity	23.4%;	Pred. No. 2.8e-12;				
Matches 130;	Conservative 73;	Mismatches 191;	Indels 161;	Gaps 38;		
QY	503	CL-NPIKAFQGC	MRLLIFIDNQPKDL--ISVQQSLGNFSDLHIDLC	SIKDRCLPNYCEHG 559		
Db	165	CLS	NPCCKNDGTC-----NNDPVDFYRCTCPYGF	KGQDCDVP	IHACT-----SNPCKHG 212	
QY	560	GSC-----	SQSWTTYCNCSDTSYTGATCHNSIYEQ	SCEVYRHQGN	TAGFFYIDSDGSGP 614	
Db	213	GTCHLKPRRETW--	IWCTCAD-GFEGESCDINI--DDCE-----	DND-----	249	
QY	615	LGPLQVYCNITEDKI	WTSVQHNNTELTRVRGAN-----PEKPYAMALDY	GGSM--EQL 665		
Db	250	-----C-----	ENNS--TCVDGINNYTCLCPPE-----	YTGELCEEKL 280		
QY	666	EAVIDGSEHCEQ	EYVAYHCRRSRLLNTPDG-----TPFTWIGRS	NERHPYWG	SGPPGVQQ 720	
Db	281	D	FAQDLNPCQHD-----SKCILTPKGF	KDCTP--GYIG-----	EH 315	
QY	721	CECGLDESCLD--	IQHFCNCADAKDEWT-----NDTG-FLSE	KDHL	PVTQIVITD--- 769	
Db	316	CDIDFDD-CQDN	KCKNGAHC	TDAVNGYTCVCEGY	SGLFCEFS--PMVFLRTSPCDNFD 372	
QY	770	-RSNSEAAWRIG	PLRC-----YGD	RFFWNAVS---FYTEASYL	HPPTFHA	EFSADISFFF 820
Db	373	CQGAQCIIRVNE	PICQCLPGYLGEKCEKLVSVSILVN	KESYLQIP	SAKVRPQT	NITLQI 432
QY	821	KTALSGVFLEN	GIKDFIRLEISSPSEITFAIDVGN	GPVELVQ	SPSLNDNQ	WHYVRA 880
Db	433	ATDEDSGILLYK	-GDKD	HIAVE--SIEGIRASYDTG	SHPAS-AIYS	VETINDGNFHIVEL 488
QY	881	ERNLKETSLOVD	-NLPRSTRETSEEGHFR	LQNSQLFVGG-----TSSRQ-----	KG 926	
Db	489	L	TLDSSLSLSVDGGSPKIIITNLSKQS--	TLNFD	SPLYVGGMPGKNNVASLR	QAPQNGTS 546
QY	927	FLGCIRSLHLNG	QKMDLEERAKVTSGVRPGC-PGHC	SSYGSICHNGK	CKVEKHNGY	LCDC 985
Db	547	FHGCIRNL	YINSELQDF-RKVP	MQTGILPGCEPCH----	KKVCA	HGTCQPSSQSGFTCEC 601
QY	986	TNSPYEGPFCK	KEVS 1000			
Db	602	EEG-WMG	PLCDQRTN 615			

Search completed: April 11, 2002, 16:39:38
Job time: 10590 sec

OM of: US-09-770-643A-2 to: Issued_Patents_NA:* out_format : pfs
Date: Apr 11, 2002 5:21 PM
About: Results were produced by the GenCore software, version 4.5,
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Command line parameters:
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-Q=/cgn2_1/USPTO_spool/US09770643/runat_11042002_134346_1278/app_query.fasta_1.1386
-DB=Issued_Patents_NA -OFMT=fastap -SUFFIX=rni -GAPOP=12.000
-GAPEXT=4.000 -MINMATCH=0.100 -LOOPEL=0.000 -LOOPEXT=0.000
-QGAPOP=4.500 -QGAPEXT=0.050 -XGAPOP=10.000 -XGAPEXT=0.500
-FGAPOP=6.000 -FGAPEXT=7.000 -YGAPOP=10.000 -YGAPEXT=0.500
-DELOP=6.000 -DELEXT=7.000 -START=1 -MATRIX=blossum62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=pct
-THR_MAX=100 -THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pfs
-NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09770643@cgn1_1_115 -NCPU=6 -ICPU=3 -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -NO_XLPXY -WAIT -THREADS=1

Search information block:
Query: US-09-770-643A-2
Query length: 1307
Database: Issued_Patents_NA:*
Database sequences: 351203
Database length: 113238999
Search time (sec): 108.390000

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	/cgn2_6/ptodata/1/ina/backfiles1.seq:5444158-1	..	326.50	565.01	8.0e-24	3554
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	/cgn2_6/ptodata/1/ina/5A_COMB.seq:US-07-985-691-1	..	189.00	304.51	2.6e-09	3290
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seq_documentation_block:
; Sequence 1, Application US/08460309
; Patent No. 5837496
; GENERAL INFORMATION:
; APPLICANT: Engvall, Eva
; APPLICANT: Leivo, Ilmo
; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin
; TITLE OF INVENTION: Fragments and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,309
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,077
; FILING DATE: 22-SEP-1993
; APPLICATION NUMBER: US PCT/US 94/10730
; FILING DATE: 21-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/472,319
; FILING DATE: 30-JAN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/919,951
; FILING DATE: 27-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LA 9721
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3554 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 10..3400
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; CURRENT APPLICATION DATA:
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; FILING DATE: 22-SEP-1993
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US 94/10730
; FILING DATE: 21-SEP-1994
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; FILING DATE: 30-JAN-1990
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; APPLICATION NUMBER: US 07/919,951
; FILING DATE: 27-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LA 9721
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3554 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 10..3400
; US-08-125-077-1
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  Ratio: 0.669        Gaps: 50
  Percent Similarity: 43.964  Percent Identity: 20.360
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Align seg 1/1 to: US-08-125-077-1 from: 1 to: 3554

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627 TGGAAAGTGCCAAATTTATTGACTTTCTGGCTATAGAAATGCGTAAAGGCA 676

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402 spGlyLeuLeu.....LeuSer 407
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1121 uArgLeuSer..... 1124
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1125 .....TyrAsnPheSerProGluValGluPheArg...Val 1135
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; Sequence 23, Application US/08600982
; Patent No. 6120991

; GENERAL INFORMATION:

; APPLICANT: Carter, William G.

; APPLICANT: Gil, Susanna A.

; APPLICANT: Ryan, Maureen C.

; TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for

; TITLE OF INVENTION: Integrins

; NUMBER OF SEQUENCES: 30

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness

; STREET: 1420 Fifth Avenue

; CITY: Seattle

; STATE: WA

; COUNTRY: USA

; ZIP: 98101-8100

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/600,982

; FILING DATE: 02-SEP-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Shelton, Dennis K.

; REGISTRATION NUMBER: 26,997

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 682-8100

; TELEFAX: (206) 224-0779

; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5496 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA to mRNA

; DESCRIPTION: Sequence of cDNA to 3Epa cDNA; see FIGURES

; Patent No. 6120991

; DESCRIPTION: 15A-15F

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 59..5200

; US-08-600-982-23

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56  laGlnLeuAsnTrp..... 60
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98  ySerSerAspTrpValThrSerTyrSerLeuMetPheSerAspThrGlyA 115
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115  rGAsn.....TrpLysGlnTyrLysGln 122
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123  GluAspSerIleTrpThrPheAlaGlyAsnMet.....AsnAlaAspSe 137
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137  rValValHisLysLeuLeuHisServAlarg...AlaArgPheValA 153
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2314 AATA.....CGAGAACTAATTACAGAGGCCAGAGATGCTGCCAGTAAGG 2357

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2402 CGACTG.....CCAAATGACCTGGAAGATTGAAAGGATA 2436

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2487 GTACTGAGAATATGTT..... 2503

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388 AspGlyLeuSerValSerPheGlnPheArgThrTrpAsnLysAspGlyLe 404
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404 uLeuLeuSerThrGluLeuSerGluGlySerGlyThrLeuLeuLeuSerL 421
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3194 AAAGAGAGAGGAGCTTGGAGACGCCATAAACACGGCAGACAGACCATTCGAT 3243
454 lSerIleAsnAlaArgArgAsnArgIleThrLeuThrLeuAspAspGluA 471
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471 laAlaProProAlaProAspSerThrTrpValGlnIleTyrSerGlyAsn 487
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488 SerTyrTyrPheGlyGlyCysProAspAsnLeuThrAspSerGlnCysLe 504
::: |||::: |||::: |||
3335 ACATATTATCTGGAGGAATTCCAATTGCAATCAGGGAAGATTTAACAT 3384
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3385 TTCT...ACGCCTGCTTTCCGAGGCTGCATGAAA.....A 3416
521 snGlnProLys.....AspLeuIleSerVal 529
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530 GlnGlnGlySerLeuGlyAsnPheSerAspLeuHisIleAspLeuCysSe 546
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seq_documentation_block:
; Sequence 23, Application PC/TUS9410261A
; GENERAL INFORMATION:
; APPLICANT: Carter, William G.
; APPLICANT: Gil, Susanna A.
; APPLICANT: Ryan, Maureen C.
; TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for
; TITLE OF INVENTION: Integrins
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness
; STREET: 1420 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101-8100
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/10261A
; FILING DATE: 02-SEP-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Shelton, Dennis K.
; REGISTRATION NUMBER: 26,997
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; Sequence 1, Application US/09191647
; Patent No. 6046015
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/191,647
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: 60/065,544
; EARLIER FILING DATE: 1997-11-14
; EARLIER APPLICATION NUMBER: 60/081,057
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; EARLIER FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 1
; LENGTH: 4758
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(4575)
US-09-191-647-1

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seq_name: /cgn2_6/ptodata/1/ina/6B_COMB.seq:US-09-540-245A-1

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seq_documentation_block:
; Sequence 1, Application US/09540245A
; Patent No. 6270984
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/540,245A
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 60/065,544
; PRIOR FILING DATE: 1997-11-14
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 4758
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(4575)
US-09-540-245A-1
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Percent Similarity: 45.829      Percent Identity: 21.943
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1941 TACTCTCCATTCTTTATCTACTCTAAACCTCTTGGCCCAATCCTTTAACT 1990
313 ....ProValProGlyLysProGlyThrPheLeuLysLys.....AsnP 326
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326 heHisGlyCysIleGluAsnLeuTyrTyrAsnGlyValAsnIleIle*** 342
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377 rTyrLeuLeuLeuProGlyThrProGln.....IleA 388
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2273 ATGGA.....AACCAATTT.....ACA 2289
405 LeuLeuSerThrGluLeuSerGluGlySerGlyThrLeuLeuLeuSerLe 421
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421 uGluGlyGlyIleLeuArgLeuVal.....IleGlnLysmett 434
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2340 AAGTAACAACAGATAAGCACGCTTTCTAATCAGAGCTTCAGCAACATGA 2389
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460 gAsnArgIleThrLeu.....ThrL 467
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467 euAspAspGluAlaAlaProProAlaPro.....AspSer 478
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2762 ATCCGTGTAATAATGATGGCACATGTAATAGTAGTATCCAGTTGACTTTTAC 2811
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2862 TCATGCCTGCATCACTAACCCTATGTAACATGGAGGAACTTGGCAC.... 2907
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2908TTAAGGAAGGAGAAGAAGAT 2928
603 GlyPhePheTyrIleAspSerAspGly...SerGlyProLeuGlyProLe 618
2929 GGATTCTGGTGATTTGTGCTGATGGATTTGAAGGAGAA..... 2967
618 uGlnValTyrCysAsnIleThrGluAspLysIleTrpThrSerValGlnH 635
2968AATTGTGAAGTCAACGTTGATGATTGTGAAGATAAATGACTGTG 3010
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3011 AAAATAATTCT.....ACATGTGTCGATGGCATTAACTAACTACATGC 3054
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693 AspGlyThrProPheThrTrpTrpIleGlyArgSerAsnGluArgHisPr 709
3160 AAGGGA..... 3165
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740 AlaAspLysAspGluTrpThr.....AsnAspThrGly.. 750
3265 GATGCAGTGAACGGCTATACGTGCATATGCCCGAAGGTTACAGTGGCTT 3314
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3315 GTTCTGTGAGTTTCTCCACCCATGGTCCCTCCCTCGTACCAGCCCTGTG 3364
765 leThrAspThrAspArgSerAsnSerGluAlaAlaTrpArgIleGlyPro 781
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782 LeuArgCys.....TyrGlyAspArgArgPheTrpAsnAl 793
3415 CCAATATGTCACTGTTTGCCTGGCTATCAGGGAGAAAAGTGTGAAAATT 3464
793 aValSer.....PheTyrThrGluAlaSerTyrLeuHisPheProThrP 808
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3565 GACAGCGGAATCCTCTGTATAAG...GGTGACAAAGACCATATCCGGT 3611
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seq_documentation_block:
; Sequence 1, Application US/09540153
; Patent No. 6270995
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/540,153
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/191,647
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 4758
; TYPE: DNA
; ORGANISM: human

; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(4575)
US-09-540-153-1

alignment_scores:

Quality: 253.00 Length: 875
Ratio: 0.631 Gaps: 50
Percent Similarity: 45.829 Percent Identity: 21.943

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Align seg 1/1 to: US-09-540-153-1 from: 1 to: 4758

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alignment block:

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351 eTyrThrValGlyAsnValThrPheSerCysSerGluProGlnIleValP 368
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96 AAGCACCCTTTTCCAAACCAAGCTTCAGC...AACATGACCCAACCTCTCA 142

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418 euLeuSerLeuGluGlyGlyIleLeuArgLeuValIleGlnLysMet... 433
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445 .....LeuAsnAspGlyLeuThrPheHisSerValS 455
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488 .....SerTyrTyrPheGly.GlyCysProAspAsnLeuThrAspSerG 502
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482 AGTGTAACCCCTGCTTGTCAAATCCATGTAAAAATGATGGCACCTGT... 528

515 ArgLeuIlePheIleAspAsnGlnProLysAspLeu.....IleSerVa 529
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459 gArgAsnArgIleThrLeuThrLeuAspAspGluAlaAlaProProAlaP 476
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505 nProIleLysAlaPheGlnGlyCysMetArgLeuIlePheIleAspAsnG 522
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; Sequence 4, Application US/08746111
; Patent No. 6066778
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Cui, Jisong
; TITLE OF INVENTION: Compositions And Methods For Screening
; TITLE OF INVENTION: Compounds For Anticoagulant Activity
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/746,111
; FILING DATE: 06-NOV-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02536
; TELECOMMUNICATION INFORMATION:
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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 6..6554
; US-08-746-111-4
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218 eupHeHisGlyGluGlyGlnArgGlyAsp.....HisIleThr 230
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455 SerIleAsnAlaArgArgAsnArgIleThrLeuThrLeuAspAspGluAl 471
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seq_documentation_block:
; Sequence 1, Application US/07607538C
; Patent No. 5455031
; GENERAL INFORMATION:
; APPLICANT: Ceriani Dr., Roberto L.
; APPLICANT: Peterson Dr., Jerry A.
; APPLICANT: Larocca, David J.
; TITLE OF INVENTION: POLYPEPTIDE WITH 46
; TITLE OF INVENTION: DIFFERENTIATION ANTIGEN BINDING SPECIFICITY AND CLOTTING
; TITLE OF INVENTION: FACTORS V AND VIII LIGHT-CHAIN HOMOLOGIES,
; TITLE OF INVENTION: FUSION PROTEIN, POLYNUCLEOTIDE AND POLYRIBO-
; TITLE OF INVENTION: NUCLEOTIDE ENCODING THE POLYPEPTIDE, ANTI-
; TITLE OF INVENTION: POLYPEPTIDE ANTIBODIES, KITS AND METHODS OF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
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; ADDRESSEE: V. Amzel & Assoc.
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; CITY: Walnut Creek
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; ZIP: 94596
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS 5.0
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/607,538C
; FILING DATE: 01-NOV-1990
;
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
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; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: CRFCC-004
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; TELEX: N.A.
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1384 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-07-607-538C-1

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69 ProAlaAspSerAsnAlaGlnGlnTrpLeuGlnMetAspLeuGlyAsnAr 85
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